

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 1

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME
W.M. BARR & COMPANY, INC.ADDRESS
2105 Channel Ave.
Memphis, TN 38113 USAEMERGENCY TELEPHONE #1
901-775-0100EMERGENCY CONTACT
W.M. Barr Technical Services

EMERGENCY INFORMATION

"3E" 24 HOUR MEDICAL EMERGENCY #, 800 451-8346.
SEE SECTION 5 FOR ADDITIONAL EMERGENCY INFORMATIONINVENTORY ITEM #
QGB392PRODUCT NAME
KLEAN-STRIP GREENBOARD SLATINGREVISED BY
W.M. Barr Technical ServicesREVISION DATE
10/14/1993

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CARCINOGENICITY

SUBSTANCE DESCRIPTION	PERCENT	CAS#	NTP	ACGIH	OSHA	IARC
POLYURETHANE VARNISH	25- 30	N/A	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
STODDARD SOLVENT	40- 50	8052-41-3	N	N	N	N
MINERAL SPIRITS	25- 30	N/A	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
STODDARD SOLVENT, TYPE I	95-100	8052-41-3	N	N	N	N
CI PIGMENT GREEN #7	5- 10	1328-53-6	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
CI PIGMENT GREEN #7--COPPER	25- 30	1328-53-6	N	N	N	N
ALIPHATIC PETROLEUM DISTILLATE	70- 75	64742-89-8	N	N	N	N
CI PIGMENT BLUE #15	1- 5	147-14-8	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
ALIPHATIC PETROLEUM DISTILLATE	45- 50	64742-88-7	N	N	N	N
CI PIGMENT YELLOW #42	1- 5	51274-00-1	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
VM&P NAPHTHA	15- 20	8032-32-4	N	N	N	N
TITANIUM DIOXIDE MIXTURE	1- 5	13463-67-7	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
TITANIUM DIOXIDE	80- 98	13463-67-7	N	N	N	N
LIMESTONE	15- 20	1317-65-3	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
CALCIUM CARBONATE	90- 95	471-34-1	N	N	N	N
MAGNESIUM CARBONATE	1- 5	546-93-0	N	N	N	N
SILICA, CRYSTALLINE, QUARTZ	0- 2	14808-60-7	N	N	N	Y
SILICA, CRYSTALLINE, QUARTZ	10- 15	14808-60-7	N	N	N	Y
CALCINED DIATOMACEOUS EARTH	1- 5	68855-54-9	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
SILICA, CRYSTALLINE, CRISTOBALITE	60- 80	14464-46-1	N	N	N	Y

SECTION 3. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY U/M	TWA	STEL	CEIL	SKIN	PEL
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MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 2

SECTION 3. REGULATORY INFORMATION
(CONTINUED)

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY	U/M	TWA	STEL	CEIL	SKIN	PEL
POLYURETHANE VARNISH	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
STODDARD SOLVENT	ACGIH OSHA	PPM PPM	100.00 100.00	N/E N/E	N/E N/E	N N	N/E 500.00
MINERAL SPIRITS	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
EXXON RECOMMENDS AN OCCUPATIONAL EXPOSURE LIMIT OF 100 PPM TOTAL HYDROCARBON BASED ON COMPOSITION.							
STODDARD SOLVENT, TYPE I	ACGIH OSHA	PPM PPM	100.00 100.00	N/E N/E	N/E N/E	N N	N/E 500.00
CI PIGMENT GREEN #7	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
CI PIGMENT GREEN #7--COPPER	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
ALIPHATIC PETROLEUM DISTILLATE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
CI PIGMENT BLUE #15	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
ALIPHATIC PETROLEUM DISTILLATE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
CI PIGMENT YELLOW #42	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
VM&P NAPHTHA	ACGIH OSHA	PPM PPM	300.00 300.00	N/E 400.00	N/E N/E	N N	N/E N/E
TITANIUM DIOXIDE MIXTURE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
TITANIUM DIOXIDE	ACGIH OSHA	MG/M3 MG/M3	10.00 5.00	N/E N/E	N/E N/E	N N	N/E 15.00
ACGIH TWA AND OSHA PEL FOR TOTAL DUST; OSHA TWA FOR RESPIRABLE DUST. OSHA TWA 10 MG/M3, TOTAL DUST, AS PROVIDED BY SUPPLIER. DUPONT RECOMMENDS AN AEL (ACCEPTABLE EXPOSURE LIMIT) OF 5 MG/M3, RESPIRABLE DUST; 10 MG/M3, TOTAL DUST.							
LIMESTONE	ACGIH OSHA	MG/M3 MG/M3	10.00 5.00	N/E N/E	N/E N/E	N N	N/E 5.00
CALCIUM CARBONATE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
MAGNESIUM CARBONATE	ACGIH OSHA	MG/M3 MG/M3	10.00 5.00	N/E N/E	N/E N/E	N N	N/E 5.00
SILICA, CRYSTALLINE, QUARTZ	ACGIH OSHA	MG/M3 MG/M3	0.10 0.10	N/E N/E	N/E N/E	N N	N/E 0.10

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 3

SECTION 3. REGULATORY INFORMATION
(CONTINUED)ACGIH AND OSHA TWA FOR SILICA, CRYSTALLINE, QUARTZ, RESPIRABLE DUST.
NIOSH DEFINED CARCINOGEN.

CALCINED DIATOMACEOUS EARTH	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
SILICA, CRYSTALLINE, CRISTOBALITE	ACGIH OSHA	MG/M3 MG/M3	** **	N/E N/E	N/E N/E	N N	N/E N/E

SILICA, CRYSTALLINE, CRISTOBALITE	ACGIH OSHA	MG/M3 MG/M3	** **	N/E N/E	N/E N/E	N N	N/E N/E
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** ACGIH TWA 0.05 MG/M3 AND OSHA TWA 0.05 MG/M3, RESPIRABLE DUST.
NIOSH DEFINED CARCINOGEN.

ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

CALIFORNIA (PROPOSITION #65)

Ingredients in this product are not listed on California's Prop 65 list: "Chemicals Known to the State to Cause Cancer or Reproductive Toxicity."

SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

SUBSTANCE DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
1,2,4-TRIMETHYLBENZENE	1	95-63-6
CI PIGMENT GREEN #7--COPPER	3	1328-53-6
MAGNESIUM CARBONATE	1	546-93-0

CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

HAZARD COMMUNICATION STANDARD

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

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SECTION 4. HAZARDS IDENTIFICATION

INHALATION ACUTE EXPOSURE EFFECTS

May cause dizziness, headache, watering of eyes, irritation of respiratory tract, eye irritation, weakness, nausea, muscle twitches, depression of central nervous system, light headedness, and drowsiness. Severe overexposure may cause convulsions, unconsciousness, and death.

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 4

SECTION 4. HAZARDS IDENTIFICATION
(CONTINUED)

SKIN CONTACT ACUTE EXPOSURE EFFECTS

May cause irritation, drying of skin, defatting, and dermatitis.

EYE CONTACT ACUTE EXPOSURE EFFECTS

May cause irritation.

INGESTION ACUTE EXPOSURE EFFECTS

May cause nausea, weakness, vomiting, muscle twitches, diarrhea, gastrointestinal irritation, unconsciousness, convulsions, and death.

CHRONIC EXPOSURE EFFECTS

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. May cause skin irritation, anemia, dermatitis, bone marrow damage, liver damage, jaundice, dyspnea, cough, chest pains, and impaired pulmonary functions.

Note: Prolonged inhalation of dusts containing free silica may result in the development of a disabling pulmonary fibrosis (silicosis) causing shortness of breath, cyanosis, loss of appetite, total incapacity to work, and death.

MEDICAL CONDITIONS AGGRAVATED

None known.

PRIMARY ROUTE OF EXPOSURE

Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES

INHALATION

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT

Wash with soap and water.

EYE CONTACT

Flush with large quantities of water for at least 15 minutes. If irritation from contact persists, get medical attention.

INGESTION

DO NOT induce vomiting. Call your poison control center, hospital emergency room, or physician immediately.

NOTE TO PHYSICIAN

This formula is registered with POISINDEX.

Call your local poison control center for further information.

SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	2	1
FLAMMABILITY	2	2
REACTIVITY	0	0
OTHER	G	NA

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 5

SECTION 6. FIRE FIGHTING MEASURES
(CONTINUED)
-----FLASH METHOD
SetaFLASH POINT
105.00 F 40.55 CLOWER EXPLOSION LIMIT
1.00GENERAL COMMENTS
OSHA FLAMMABILITY: Class IIEXTINGUISHING METHOD
Use carbon dioxide, dry powder, or foam.FIRE FIGHTING PROCEDURES
Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.FIRE AND EXPLOSION HAZARDS
CAUTION! COMBUSTIBLE. KEEP AWAY FROM HEAT, SPARKS, FLAME AND ALL OTHER SOURCES OF IGNITION.
-----SECTION 7. ACCIDENTAL RELEASE MEASURES
-----CLEAN-UP
Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. SMALL SPILLS: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. LARGE SPILLS: dike far ahead of spill for later disposal.

For transportation related spills contact Chemtrec at 1-800-424-9300 for emergency assistance.

WASTE DISPOSAL
Dispose in accordance with applicable local, state and federal regulations.
-----SECTION 8. HANDLING AND STORAGE
-----STORAGE
Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.HANDLING
Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.
-----SECTION 9. TRANSPORT INFORMATION
-----TRANSPORTATION
For D.O.T. information, contact W.M. Barr Technical Services Department.

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 6

SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

RESPIRATORY PROTECTION

For OSHA controlled work place and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

SKIN PROTECTION

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

EYE PROTECTION

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

OTHER PROTECTION

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %

40.900
by weight

BOILING POINT

GT 305.00 F 151.66 C BOILING RANGE: 305 F - 405 F

VAPOR DENSITY (Air = 1.0)

Heavier than air

EVAPORATION RATE

Slower than ether

BULK DENSITY

9.750
lbs/gal at 75 F

pH FACTOR

N/E

PHOTOCHEMICALLY REACTIVE

NO

MAX V.O.C.

497 grams per liter

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 7

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES
(CONTINUED)

MAX VAPOR PRESSURE

2mm Hg at 20 degrees C

SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES

Incompatible with strong oxidizing agents.

DECOMPOSITION

Decomposition may produce carbon monoxide and carbon dioxide.

POLYMERIZATION

Will not occur.

STABILITY

Stable.

SECTION 13. ADDITIONAL INFORMATION

IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

LEGEND:

PPM = parts per million

MG/M3 = milligrams per cubic meter

N/E or NE = none established

GT = greater than

N/A or NA = not applicable

TCC = tag closed cup

TOC = tag open cup

PMCC = Pensky-Martens closed cup

IDLH = Immediately Dangerous to Life and Health

END OF MSDS